

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
 Data File : VN086488.D
 Acq On : 05 May 2025 16:00
 Operator : JC\MD
 Sample : Q1956-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FB-05022025

Quant Time: May 06 01:45:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

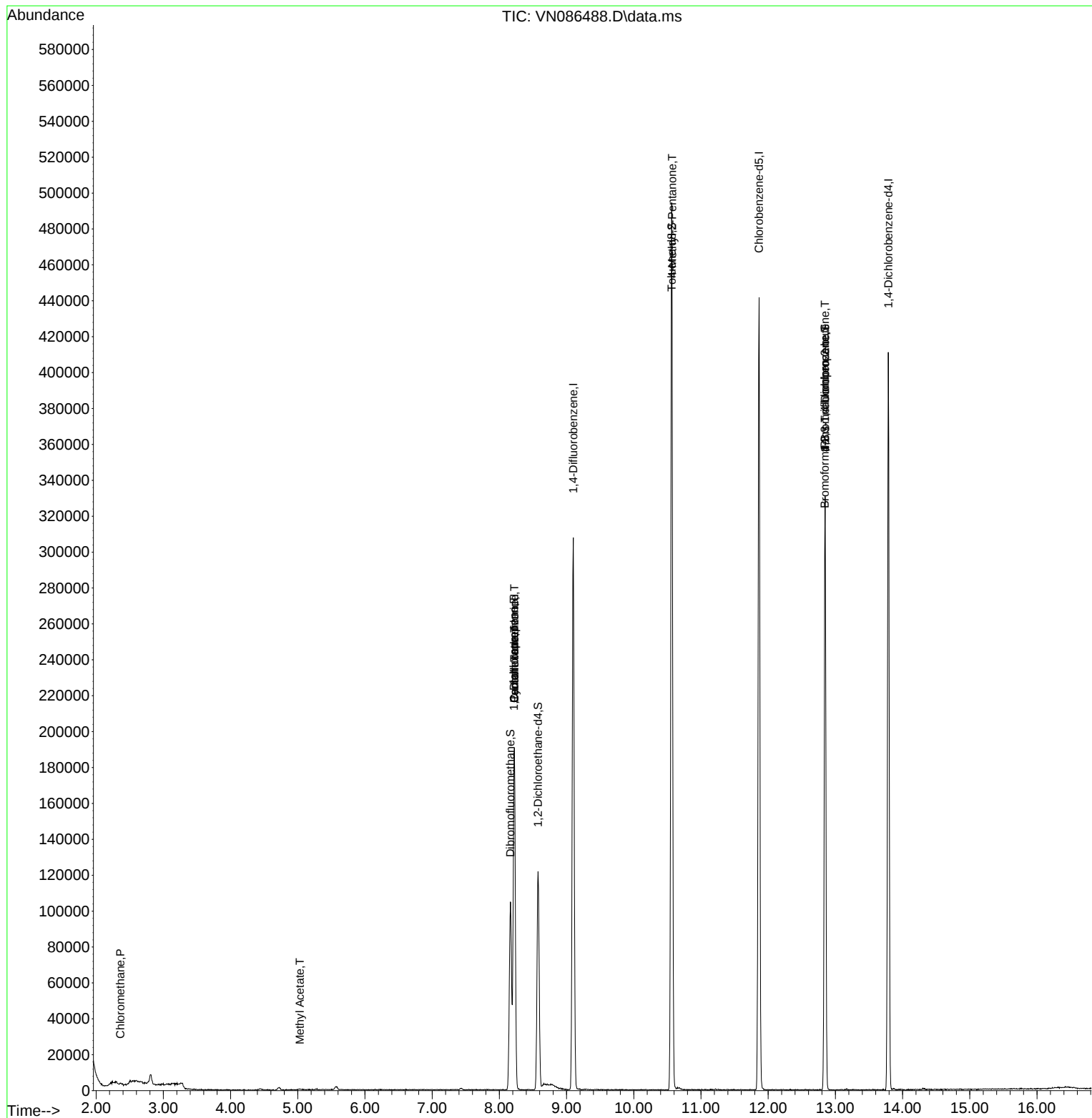
Internal Standards						
1) Pentafluorobenzene	8.224	168	141270	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	272905	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	255761	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	111305	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	102889	50.226	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 100.460%	
35) Dibromofluoromethane	8.165	113	76253	60.203	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 120.400%	
50) Toluene-d8	10.565	98	346238	51.149	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.300%	
62) 4-Bromofluorobenzene	12.847	95	118781	48.108	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 96.220%	
Target Compounds						Qvalue
3) Chloromethane	2.359	50	762	0.313	ug/l	92
16) Acetone	4.424	43	1626	Below Cal	#	43
18) Methyl Acetate	5.030	43	778	0.316	ug/l #	51
31) Cyclohexane	8.224	56	3346	1.008	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	11624	4.595	ug/l #	49
38) Carbon Tetrachloride	8.224	117	14055	5.834	ug/l #	16
43) Isopropyl Acetate	8.677	43	2938	Below Cal	#	55
51) 4-Methyl-2-Pentanone	10.571	43	1620	0.594	ug/l #	1
71) Bromoform	12.841	173	444	0.313	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	61137	23.276	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	61137	55.900	ug/l #	10

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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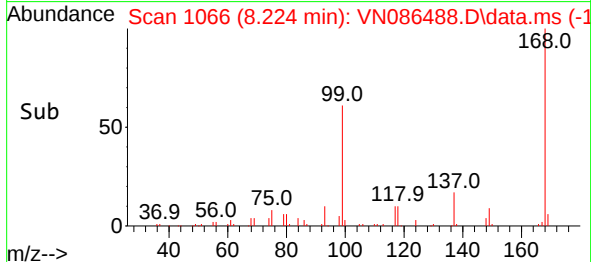
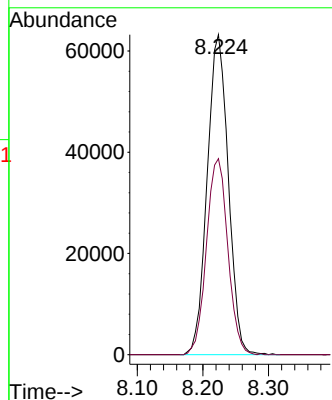
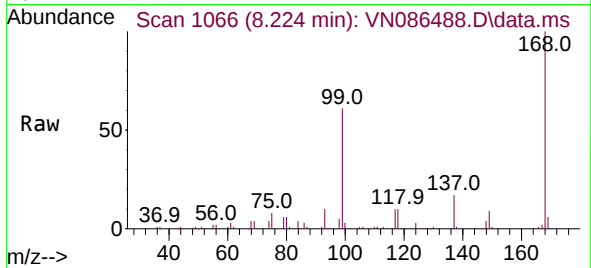




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN086488.D
Acq: 05 May 2025 16:00

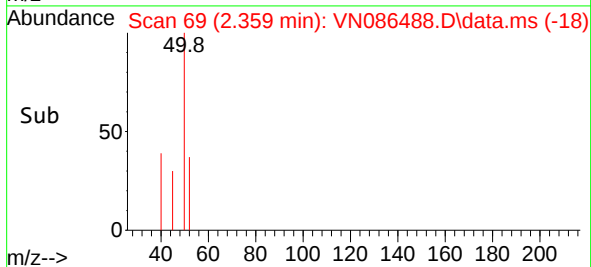
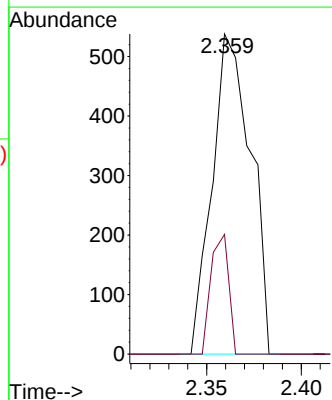
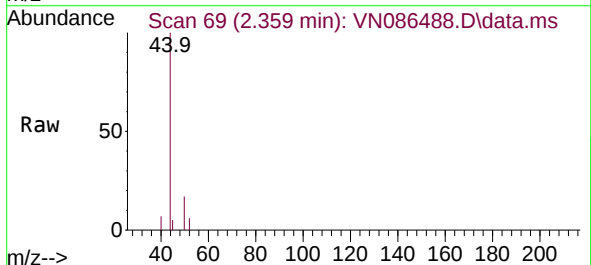
Instrument :
MSVOA_N
ClientSampleId :
FB-05022025

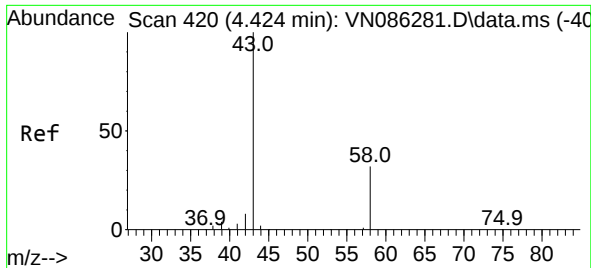
Tgt Ion:168 Resp: 141270
Ion Ratio Lower Upper
168 100
99 61.3 52.5 78.7



#3
Chloromethane
Concen: 0.313 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN086488.D
Acq: 05 May 2025 16:00

Tgt Ion: 50 Resp: 762
Ion Ratio Lower Upper
50 100
52 37.4 26.5 39.7

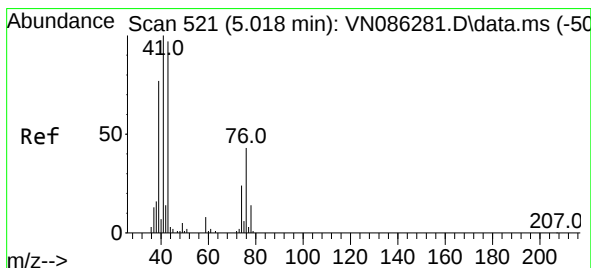
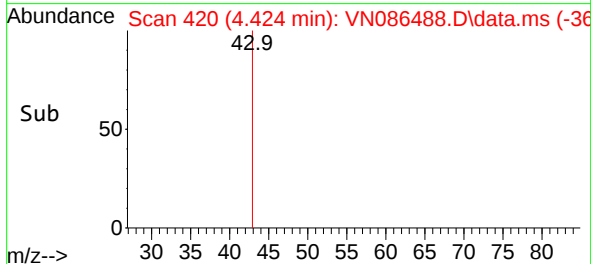
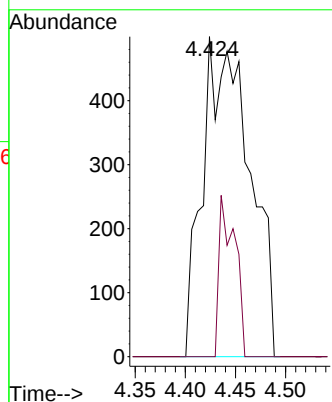
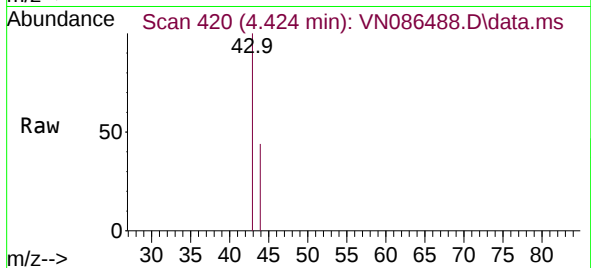




#16
Acetone
Concen: Below Cal
RT: 4.424 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN086488.D
Acq: 05 May 2025 16:00

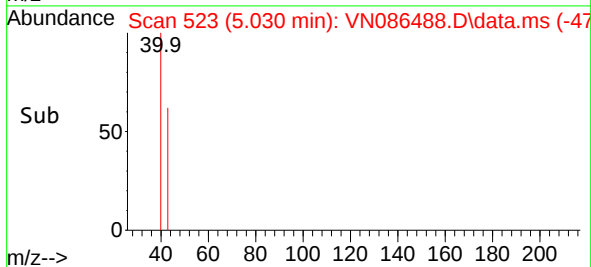
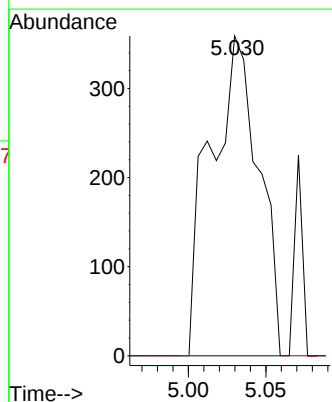
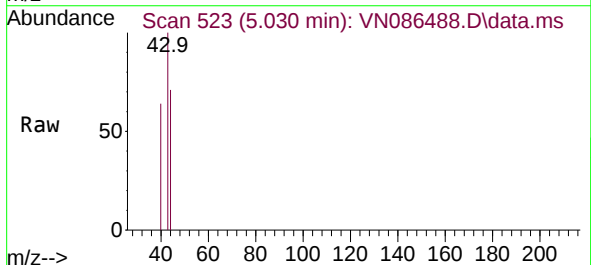
Instrument :
MSVOA_N
ClientSampleId :
FB-05022025

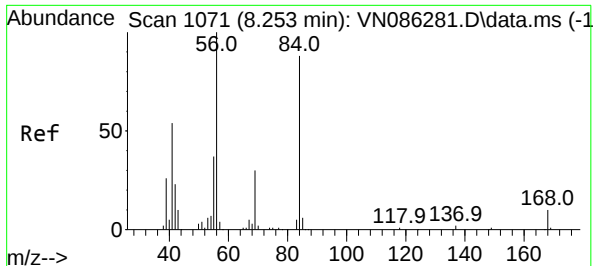
Tgt Ion: 43 Resp: 1626
Ion Ratio Lower Upper
43 100
58 0.0 25.3 37.9#



#18
Methyl Acetate
Concen: 0.316 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN086488.D
Acq: 05 May 2025 16:00

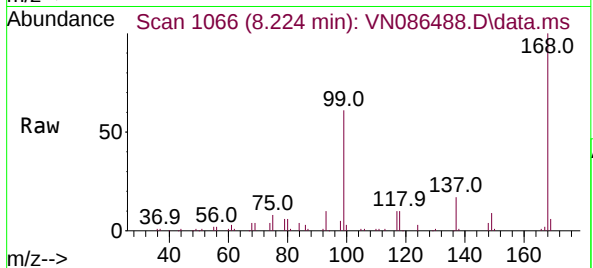
Tgt Ion: 43 Resp: 778
Ion Ratio Lower Upper
43 100
74 0.0 19.8 29.6#



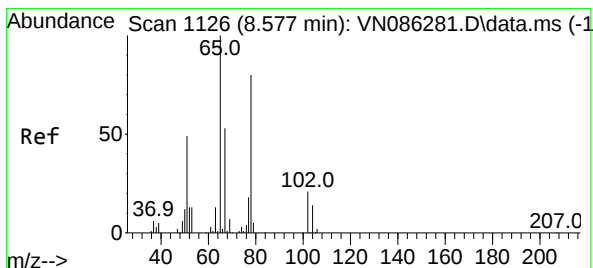
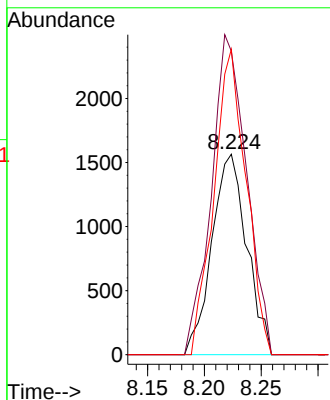
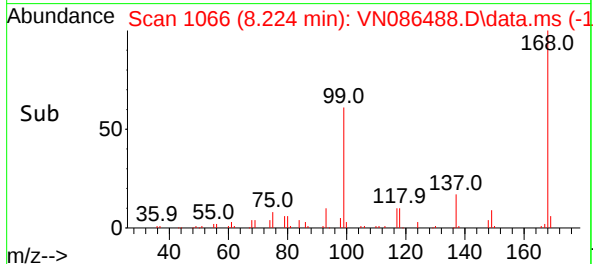


#31
Cyclohexane
Concen: 1.008 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN086488.D
Acq: 05 May 2025 16:00

Instrument :
MSVOA_N
ClientSampleId :
FB-05022025

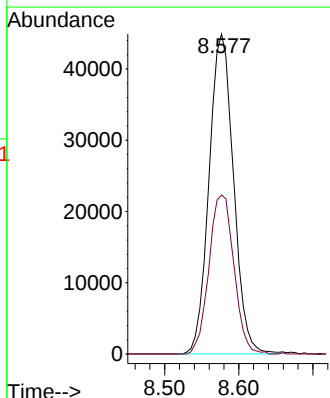
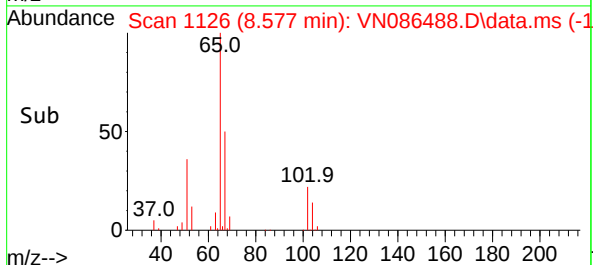
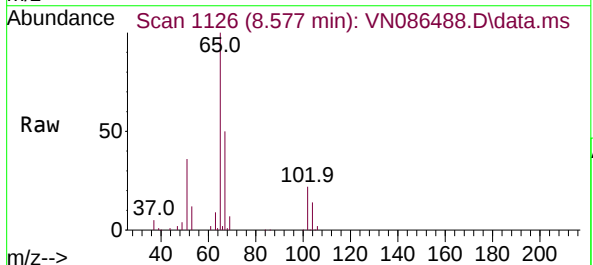


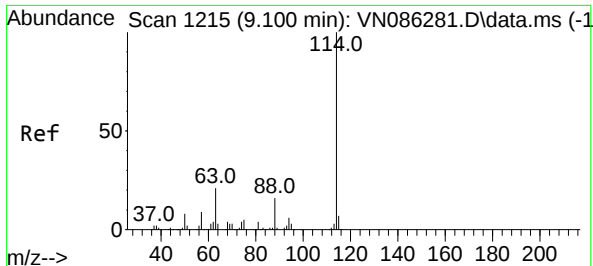
Tgt Ion: 56 Resp: 3346
Ion Ratio Lower Upper
56 100
69 151.4 24.2 36.2#
84 152.4 70.3 105.5#



#33
1,2-Dichloroethane-d4
Concen: 50.226 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086488.D
Acq: 05 May 2025 16:00

Tgt Ion: 65 Resp: 102889
Ion Ratio Lower Upper
65 100
67 50.8 0.0 106.0

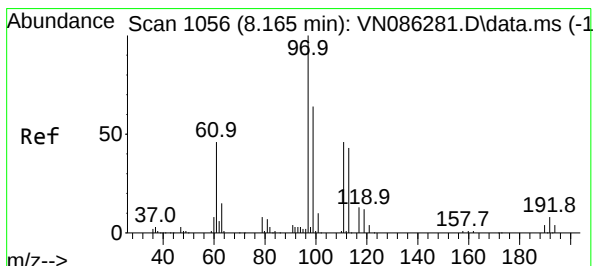
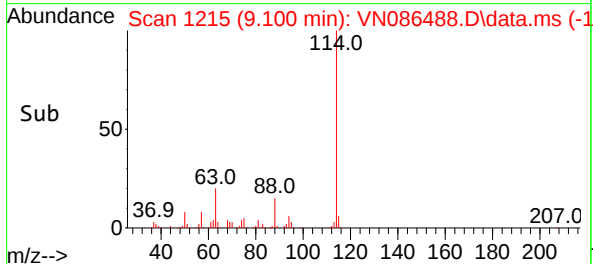
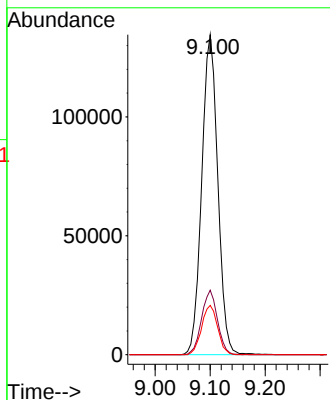
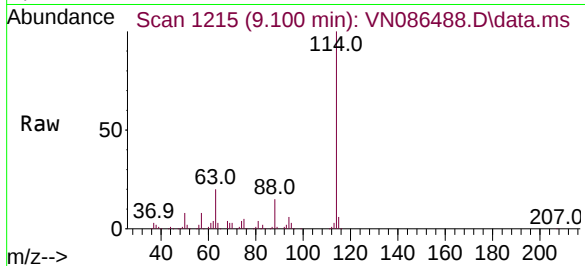




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086488.D
Acq: 05 May 2025 16:00

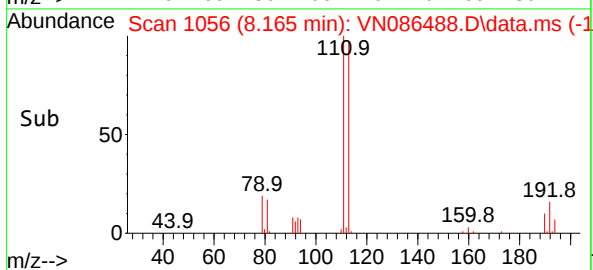
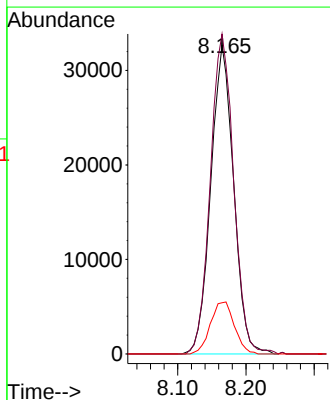
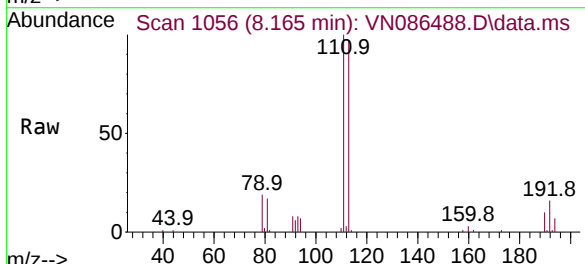
Instrument :
MSVOA_N
ClientSampleId :
FB-05022025

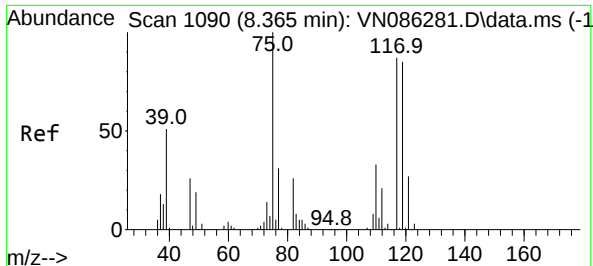
Tgt Ion:114 Resp: 272905
Ion Ratio Lower Upper
114 100
63 20.2 0.0 42.6
88 15.4 0.0 31.8



#35
Dibromofluoromethane
Concen: 60.203 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086488.D
Acq: 05 May 2025 16:00

Tgt Ion:113 Resp: 76253
Ion Ratio Lower Upper
113 100
111 105.6 83.4 125.0
192 17.7 13.7 20.5





#36

1,1-Dichloropropene

Concen: 4.595 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN086488.D

Acq: 05 May 2025 16:00

Instrument :

MSVOA_N

ClientSampleId :

FB-05022025

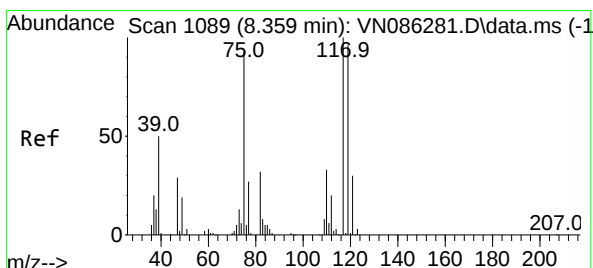
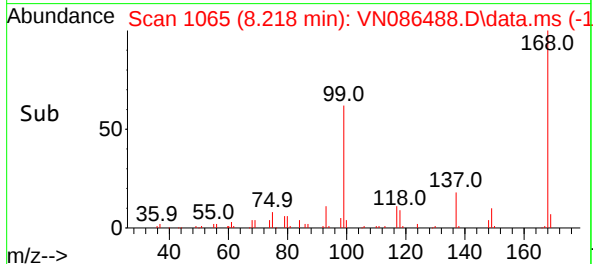
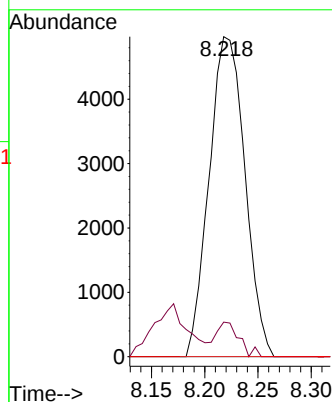
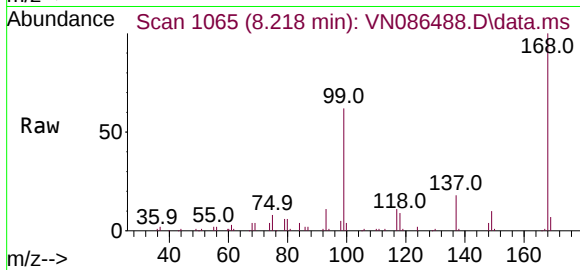
Tgt Ion: 75 Resp: 11624

Ion Ratio Lower Upper

75 100

110 7.3 16.8 50.4#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 5.834 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN086488.D

Acq: 05 May 2025 16:00

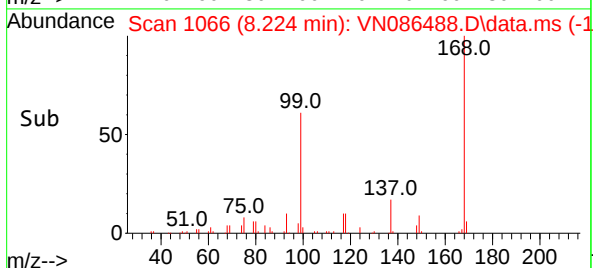
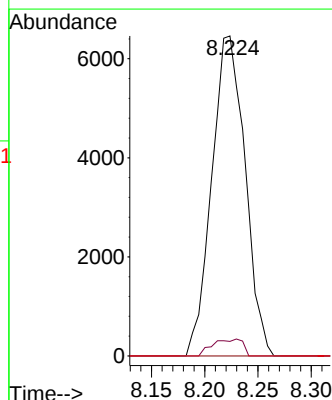
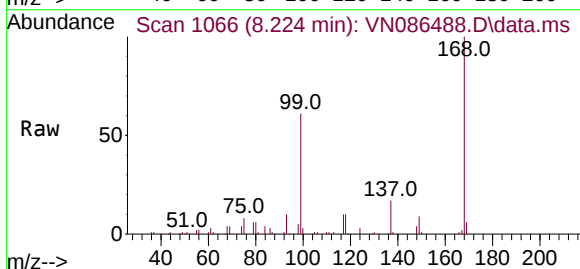
Tgt Ion: 117 Resp: 14055

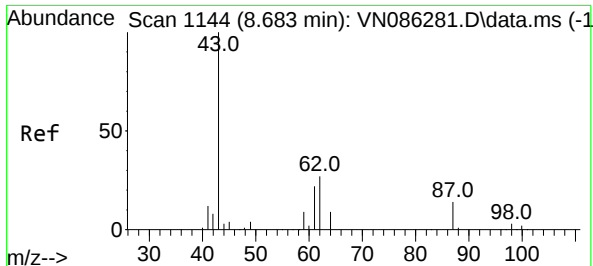
Ion Ratio Lower Upper

117 100

119 4.6 76.8 115.2#

121 0.0 23.8 35.8#





#43

Isopropyl Acetate

Concen: Below Cal

RT: 8.677 min Scan# 1144

Delta R.T. -0.006 min

Lab File: VN086488.D

Acq: 05 May 2025 16:00

Instrument :

MSVOA_N

ClientSampleId :

FB-05022025

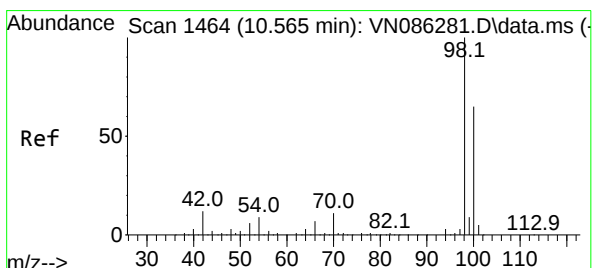
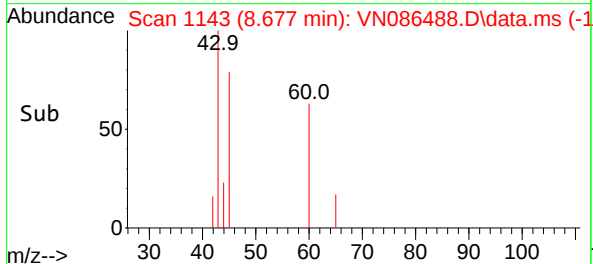
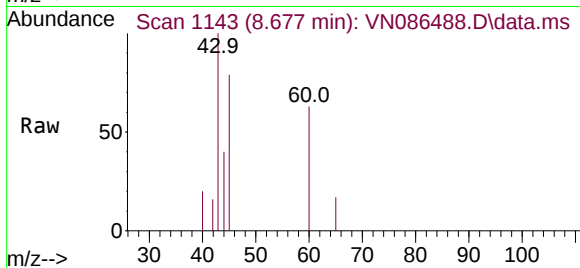
Tgt Ion: 43 Resp: 2938

Ion Ratio Lower Upper

43 100

61 0.0 20.5 30.7#

87 0.0 10.5 15.7#



#50

Toluene-d8

Concen: 51.149 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN086488.D

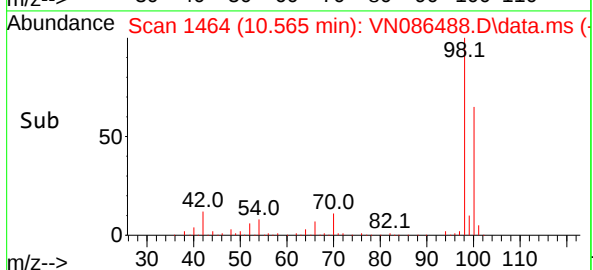
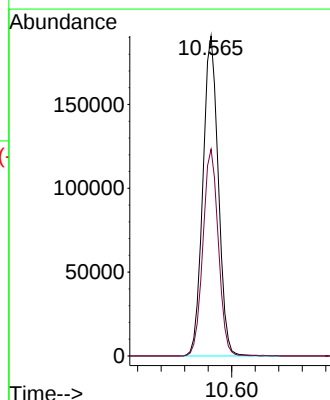
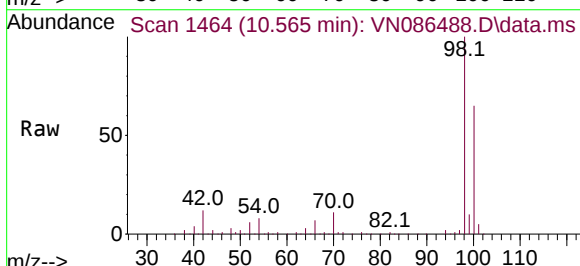
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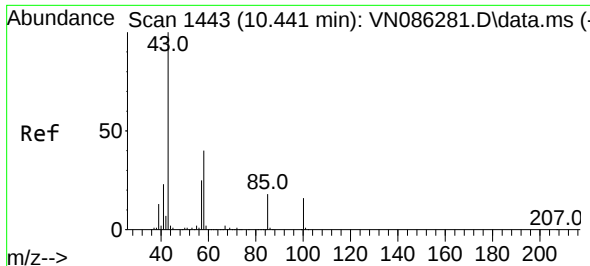
Tgt Ion: 98 Resp: 346238

Ion Ratio Lower Upper

98 100

100 64.5 52.5 78.7

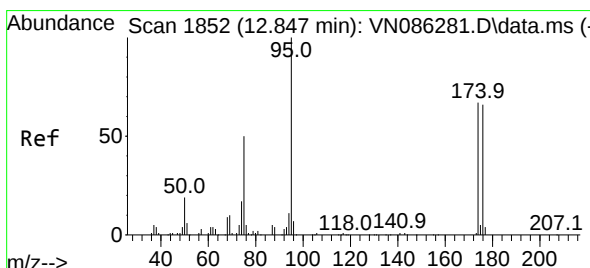
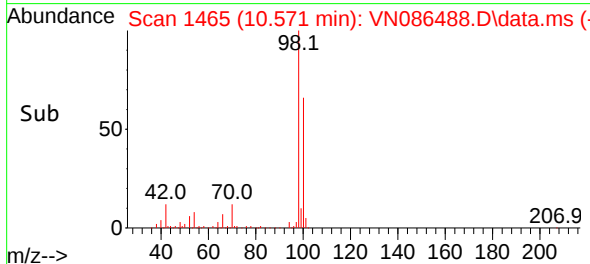
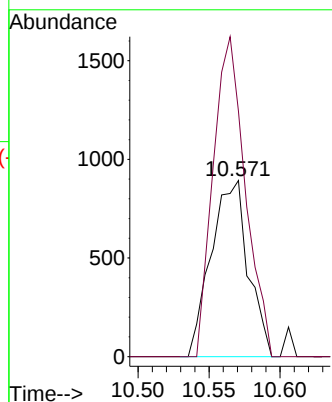
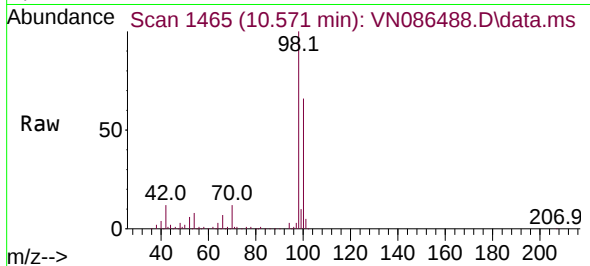




#51
4-Methyl-2-Pentanone
Concen: 0.594 ug/l
RT: 10.571 min Scan# 1443
Delta R.T. 0.129 min
Lab File: VN086488.D
Acq: 05 May 2025 16:00

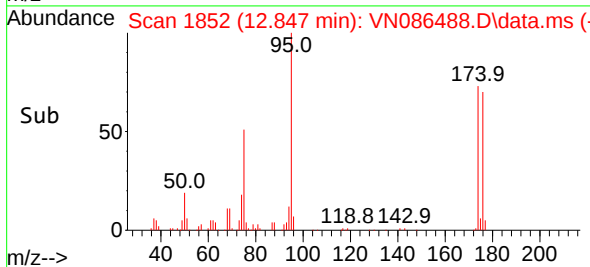
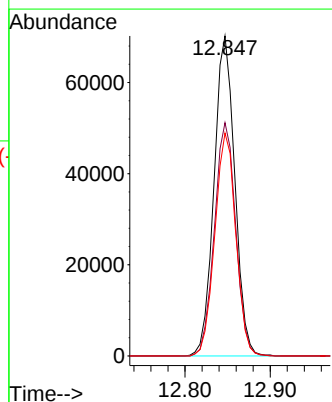
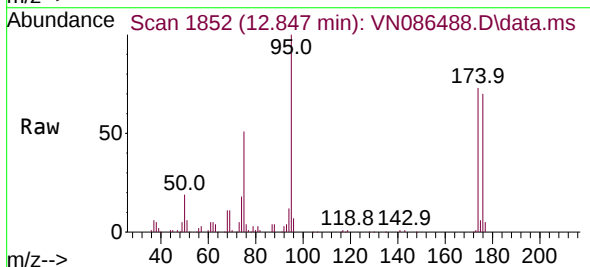
Instrument :
MSVOA_N
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FB-05022025

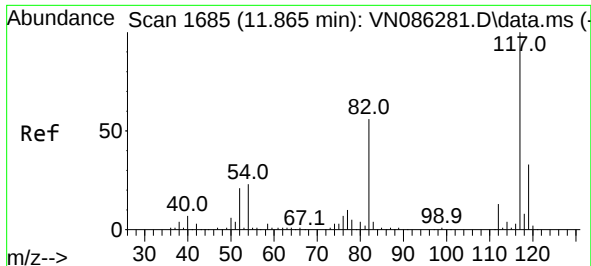
Tgt Ion: 43 Resp: 1620
Ion Ratio Lower Upper
43 100
58 157.8 32.2 48.4#



#62
4-Bromofluorobenzene
Concen: 48.108 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086488.D
Acq: 05 May 2025 16:00

Tgt Ion: 95 Resp: 118781
Ion Ratio Lower Upper
95 100
174 74.5 0.0 133.4
176 70.4 0.0 129.2

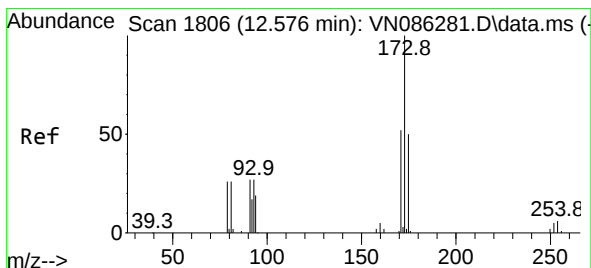
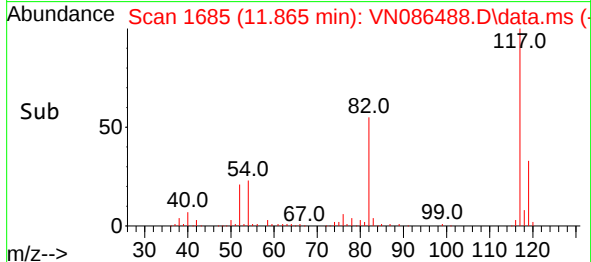
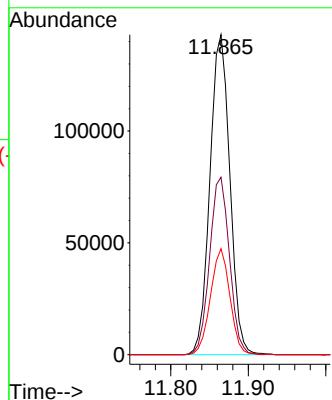
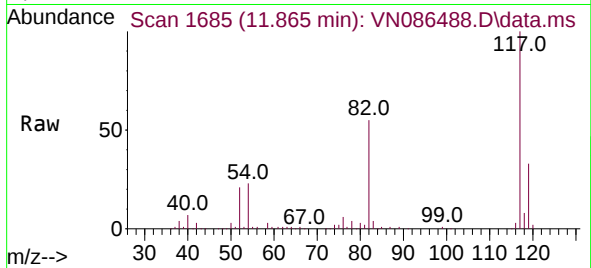




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN086488.D
Acq: 05 May 2025 16:00

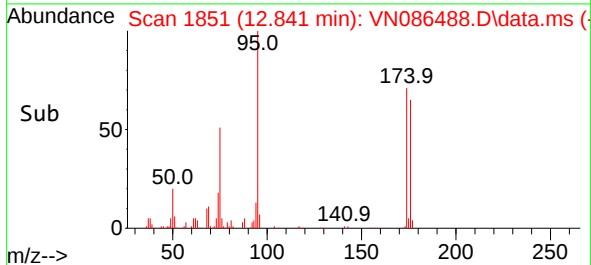
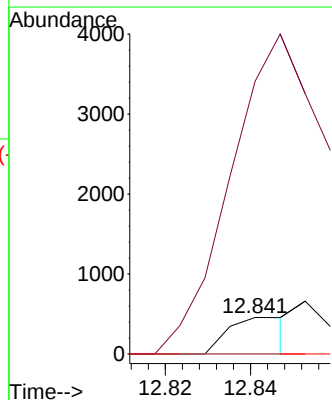
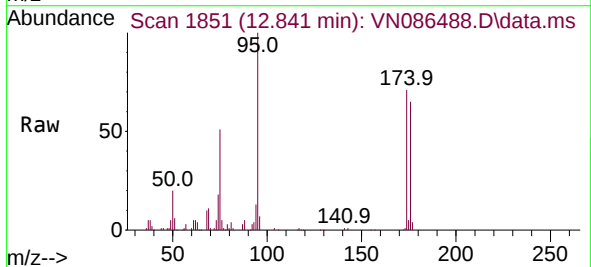
Instrument :
MSVOA_N
ClientSampleId :
FB-05022025

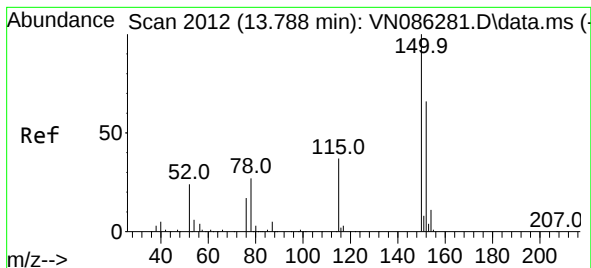
Tgt Ion:117 Resp: 255761
Ion Ratio Lower Upper
117 100
82 55.5 44.7 67.1
119 33.1 26.4 39.6



#71
Bromoform
Concen: 0.313 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.265 min
Lab File: VN086488.D
Acq: 05 May 2025 16:00

Tgt Ion:173 Resp: 444
Ion Ratio Lower Upper
173 100
175 1128.8 24.6 73.6#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.000 min

Lab File: VN086488.D

Acq: 05 May 2025 16:00

Instrument :

MSVOA_N

ClientSampleId :

FB-05022025

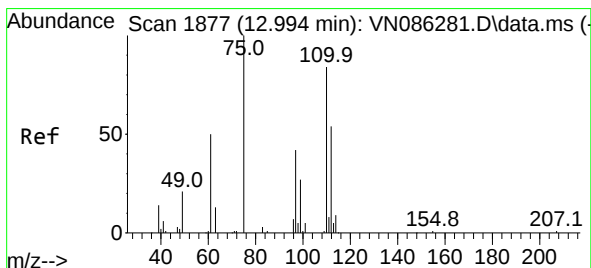
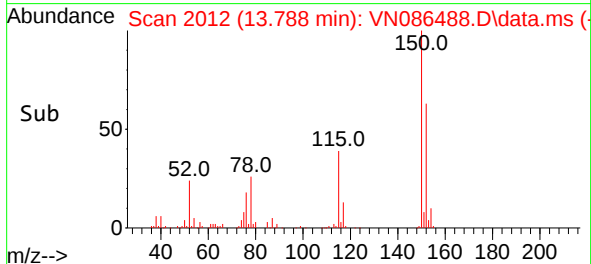
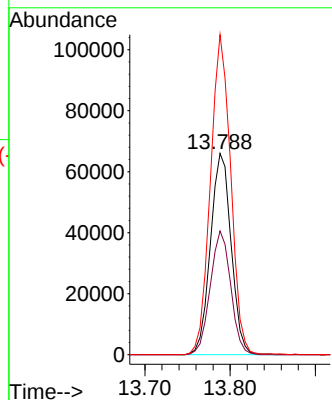
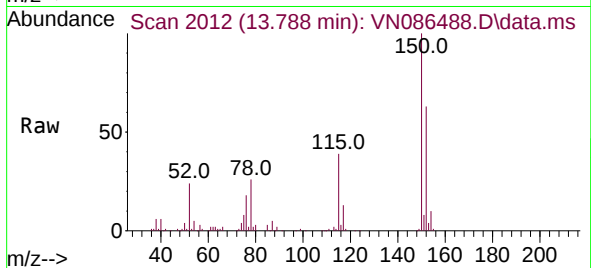
Tgt Ion:152 Resp: 111305

Ion Ratio Lower Upper

152 100

115 60.6 31.9 95.9

150 155.4 0.0 352.0



#76

1,2,3-Trichloropropane

Concen: 23.276 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN086488.D

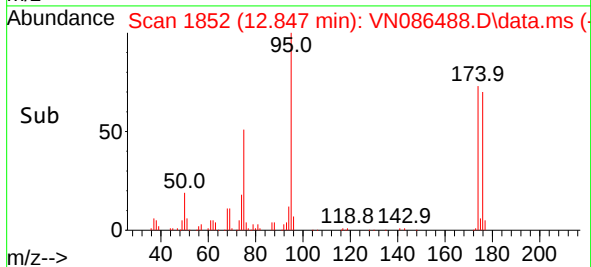
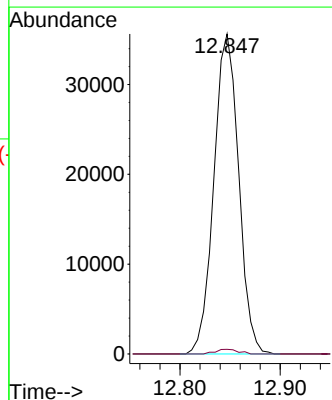
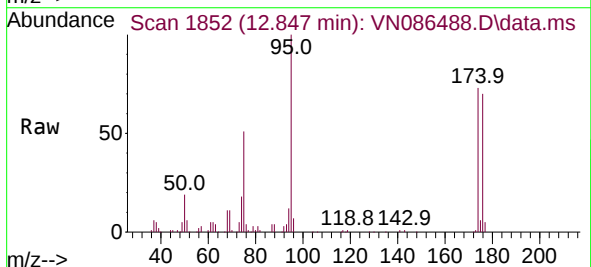
Acq: 05 May 2025 16:00

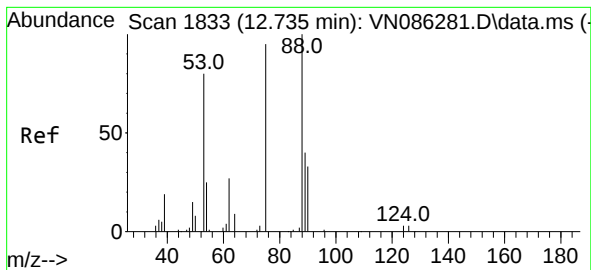
Tgt Ion: 75 Resp: 61137

Ion Ratio Lower Upper

75 100

77 1.3 98.8 296.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 55.900 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN086488.D
 Acq: 05 May 2025 16:00

Instrument :
 MSVOA_N
 ClientSampleId :
 FB-05022025

Tgt Ion: 75 Resp: 61137
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.2 118.8#
 89 0.0 35.7 53.5#

